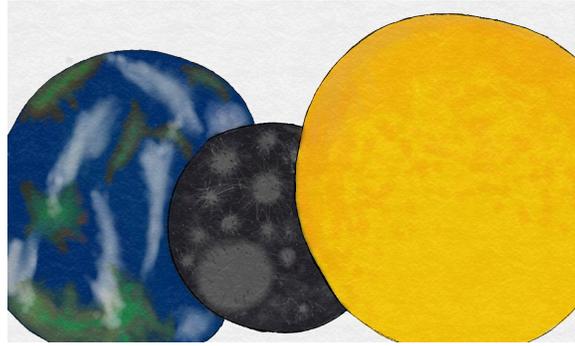


Project Eclipse!



Did your kids come home saying “Mom, Dad! I missed the solar eclipse today it was too cloudy and no one could see it!” Well our plan is to have an exhibit at Science City where everyone can have a full on experience of what they might never get a chance to see again!
Creativity and Inspiration

The solar eclipse is an important event that goes on. We want our exhibit to inspire children and young adults so they understand the facts and the fun of our idea. We want kids to see this exhibit as an experience they will not forget. We have worked very hard for the last two months. The disappointment we feel for not being able to see this amazing event is strong, so we are bringing it back for everyone to see. We were very excited to see the solar eclipse but didn't get to. We want the same thing that the people that didn't get to see it want. We want a solar eclipse that we can visit whenever we want!

Engagement

The solar eclipse is very important for children to learn. This is because they need to know about the solar eclipse, and why it is so important to space research so that they can fully comprehend the eclipse. One reason that a total solar eclipse is very important because it is the best time for scientists to study the sun's corona with a coronagraph. We will explain this in are very helpful when it comes to teaching this, but kids don't want to be stuffed up in a room listening to them talk. They want to have fun and do things!

In our exhibit there are interactive stations that are also educational. They will teach about the solar eclipse cycle, what goes on during it, and how the sun, earth, and moon, play a big part in the making of the solar eclipse. Each of the three rooms which are the earth, moon, and sun, will have more than one interactive exhibit that anyone could participate in.

In the earth we have a mini pond, an ant farm, a dino bone dig, a space playground, a video, and a spiral ramp tree. These things will teach kids about everything that goes on in the earth during an eclipse. In the tree are fake animals that make noises. The tree leads up to a big balcony that goes across the earth and the other planets.



This is to teach kids how the animals act during an eclipse, along with the mini pond that has 12 koi fish and the ant farm. The dino bone dig and the playground are to represent a few jobs on earth. Every 15 minutes, in the earth, there will be a full on projection of the solar eclipse. Recordings of crickets, the wind blowing, and even animals rustling around in the woods, will be playing during that time. This will show how the animals act during the night when

In the moon there is a maze. Before they go through the maze there will be a video that gives answers to questions like, "What is Totality." This question and more about the eclipse will be asked. You choose the answers to these questions that will be located on signs, and your answer will lead you to either a dead end or *the end*.



In the sun we have energy bikes, a plasma ball, a video, and geyser spiral ramps that lead up to the balcony like the tree. When we think of solar we think of solar power and electricity.

The sun powers our solar powered objects, like calculators or tv's. We thought that the plasma ball and energy bikes best represented solar and electric light. Since the sun is about heat we figured this would show kids how the sun's heat can ruin our eyes.

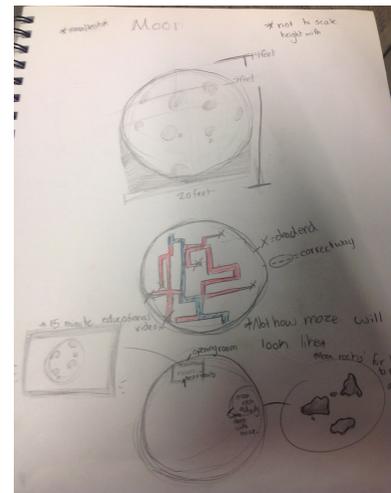
Presentation

There will be videos for each room to explain what is happening. There will also be videos that explain the whole main idea of our exhibit, and why we chose this topic for our exhibit. We each get a turn explaining every part of the exhibit clearly, and the videos properly follow all the video criteria for the video that explains the exhibit. They are all under two minutes, and the ones in the exhibit will help out with the activity teaching them about the solar eclipse. There is one video in the earth, it will teach about what happens there during totality. There is a video in the moon explaining the parts we see of the moon and sun during totality. There will also be a video in the sun that explains how the sun ruins our eye by burning the retina, and how it plays a part in human research.

One video will be in the earth, and the video in the earth will teach people about what happens to the earth during totality. There is also a video featuring one of us, that explains everything in the earth room.

Social Media

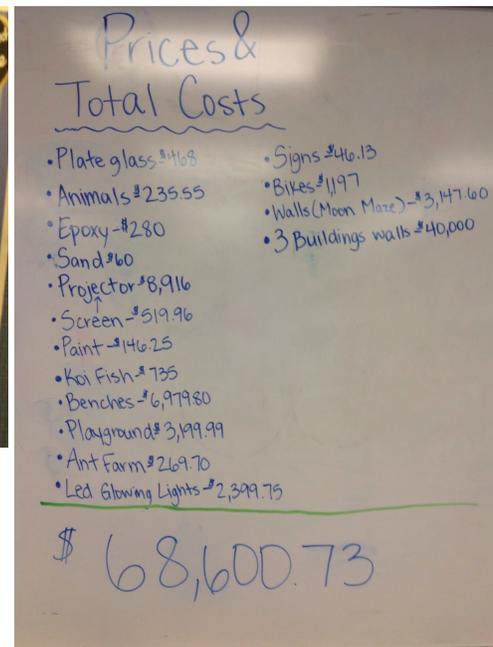
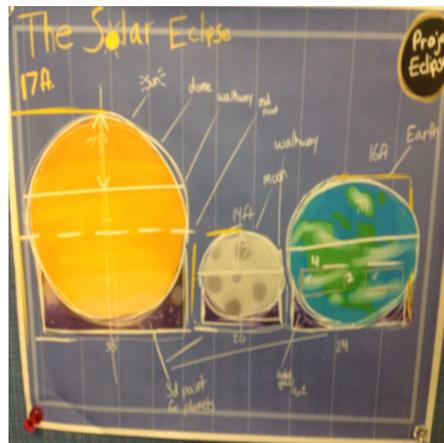
One of our teammates posted a video on YouTube of our plans to submit our idea for an exhibit. We asked in the description of the video to help support our idea for the solar eclipse.



We have posted more than one video to show our newly updated plans. In total we got 15 views, no likes, no dislikes, and no comments, but we have tried to spread the video publicly throughout friends and family. Another teammate has added a Snapchat account for the idea. We were thinking that by using Snapchat we could make a Battle Of The Brain's account and post snaps about it.

Constructability

We picked materials that will withstand hundreds of people. We also picked safe material for kids in case of an accident or a injury. Each building is a dome shape, a boxy build with a spherical top that represents the sun, earth, and moon. We thoughtfully priced almost everything we need to make this exhibit, like the paint, the epoxy coating, the fake animals for the earth, etc. We made sure to keep the area of the room in mind too. We came up with a total cost of \$68,600.7



Student Involvement

We all chose a part in this project. We had a few flaws at times and it caused us an argument, but we respectfully talked it out. We were all kind to each other and accepted everyone's ideas. One student looked up all of the prices and what material we needed. Along with how much we needed. Another student was drawing the blueprints, and another was doing the first part of the video before w

e each took turns filming. We decided these jobs by skill. Whoever was the best at doing one thing they would be assigned that job. For example, whoever was best at math would do the money. We didn't argue over these jobs either and we had fun doing this project. (We think a few friendships we born, too.) We have a shout out to one of our teammates that had great leadership skills during this. She was organized about what we needed to do and when it needed to be done. Also a shout out to our sketchers that made the pictures and the document. The last shout out is to our video recorder and editor.